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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,271	05/01/2007	John Mak	100325.0253US	9699
24392 FISH & ASSO(7590 05/26/200 CIATES, PC	9	EXAM	INER
ROBERT D. FISH			LAWRENCE JR, FRANK M	
Suite 1000	2603 Main Street Suite 1000		ART UNIT	PAPER NUMBER
Irvine, CA 9261	14-6232		1797	
			MAIL DATE	DELIVERY MODE
			05/26/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Commons	10/585,271	MAK ET AL.			
Office Action Summary	Examiner	Art Unit			
	Frank M. Lawrence	1797			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence addr	ess		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from 12 cause the application to become ABANDONEI	l. ely filed he mailing date of this comi) (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on					
	-· action is non-final.				
3) Since this application is in condition for allowan		secution as to the n	nerits is		
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
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Disposition of Claims					
 4) ☐ Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 9 and 10 is/are allowed. 6) ☐ Claim(s) 1-5 and 11-14 is/are rejected. 7) ☐ Claim(s) 6-8 and 15-17 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or 					
Application Papers					
9) ☐ The specification is objected to by the Examiner 10) ☑ The drawing(s) filed on 05 July 2006 is/are: a) ☑ Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Examiner	☑ accepted or b) ☐ objected to b drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR	, ,		
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No d in this National St	tage		
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 9/26/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-5 and 11-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Doerges et al. (4,504,449).
- 3. Doerges et al. '449 teach a gas desulfurization system, comprising a first absorber (1) for removing hydrogen sulfide from a gas (7) using a solvent (9) to produce a carbon dioxide rich gas (8), a regenerator (2) connected to the first absorber for producing a lean solvent (9, 13) and a hydrogen sulfide rich stream (23) that is fed to a Claus plant, and a second absorber (3) for receiving a second portion of the hydrogen sulfide rich stream (16) for scrubbing with a solvent (13) to produce a carbon dioxide rich gas (19) and a rich solvent (18), wherein a rich solvent (10) from the first absorber is mixed with solvent in the second absorber (see abstract, figure, col. 5, line 4 to col. 6, line 8).
- 4. Claims 11 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by McNamara et al. (4,356,161).
- 5. McNamara et al. '161 teach a process for reducing the total sulfur content of a high-carbon dioxide content feed gas, comprising separating the feed gas in a first absorber (2) to form a first carbon dioxide-rich gas (4) and a first hydrogen sulfide-enriched solvent (5) using a hydrogen sulfide-selective solvent (3), separating a first portion of a hydrogen sulfide-rich

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product gas (20) in a second absorber (21) to form a second carbon dioxide-rich gas (2) and a second hydrogen sulfide-enriched solvent (23), combining the first and second enriched solvents, and removing hydrogen sulfide from the first and second solvents to form a hydrogen sulfide product gas for feeding to a Claus unit (27) (see figure, col. 6, line 14 to col. 7, line 7).

Allowable Subject Matter

- 6. Claims 9 and 10 are allowed.
- 7. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose or suggest a motivation for the configuration that can feed a first portion of the sulfide-rich gas to the first absorber and a Claus tail gas to the second absorber in combination with the additional structural limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. Claims 6-8 and 15-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional references listed on the attached PTO-892 form disclose gas absorption devices.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank M. Lawrence whose telephone number is 571-272-1161. The examiner can normally be reached on Mon-Thurs 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on 571-272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Frank M. Lawrence/ Primary Examiner, Art Unit 1797

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